## We claim:

1. An extension apparatus for a vehicle tailgate, comprising:

a U-frame member, said member being slidingly removable from an interior portion of said vehicle tailgate; and

a plurality of side braces adapted to lock said U-frame member in a plurality of operative positions.

2. The extension apparatus of Claim 1, wherein said U-frame member is comprised of:

a pair of arms; and

wherein said pair of arms each includes a recess adapted to accept one of said plurality of braces in a stored position.

3. The extension apparatus of Claim 1, wherein said U-frame member further comprises:

a step portion;

said plurality of operative positions including a step position wherein said step portion is below said vehicle tailgate.

- 4. The extension apparatus of Claim 1, wherein said plurality of operative positions includes an extension position wherein said U-frame member is substantially co-planar with said vehicle tailgate.
- 5. The extension apparatus of Claim 1, wherein said plurality of operative positions includes a back stop position wherein said step portion is above said vehicle tailgate.
- 6. The extension apparatus of Claim 1, wherein said plurality of side braces lock said U-frame member in said plurality of operative positions by linking between said U-frame and said vehicle tailgate.
- 7. The extension apparatus of Claim 1, wherein said U-frame member is a metal extrusion.
  - 8. The extension apparatus of Claim 7, wherein said metal is aluminum.
- 9. The extension apparatus of Claim 3, wherein at least said step portion of said U-frame is hydroformed.

- 10. The extension apparatus of Claim 3, wherein said step portion includes a knurled surface to aid in traction.
- 11. The extension apparatus of Claim 3, wherein said step portion includes a padded or non-skid surface applied to said step portion to aid in traction.
  - 12. The extension apparatus of Claim 2, further comprising:

a pair of channels formed in said interior of said vehicle tailgate, said channels adapted to allow said pair of U-frame arms to slidingly enter and exit said interior of said tailgate.

- 13. The extension apparatus of Claim 12, wherein said channels are formed in a plastic reinforcing module of a hybrid tailgate with a metal skin over said plastic reinforcing module.
  - 14. The extension apparatus of Claim 1, further comprising:
- a pair of hinge elements attached to said U-frame arms to allow said U-frame to rotate into said plurality of operative positions.
- 15. The extension apparatus of Claim 14, wherein said hinge elements are adapted to slide along said channels formed in said interior of said vehicle tailgate.

- 16. The extension apparatus of Claim 1, wherein each of said plurality of side braces includes at least one tailgate locking post adapted to be inserted into a latching mechanism on said tailgate.
- 17. The extension apparatus of Claim 16, wherein said braces are adapted to lock said U-frame in a plurality of operative positions.
  - 18. The extension apparatus of Claim 1, further comprising: a cover plate adapted to be attached to said U-frame member.
- 19. The extension apparatus of Claim 18, wherein said cover plate is completely removable from said U-frame member and said vehicle tailgate.
- 20. The extension apparatus of Claim 18, wherein said cover plate is hingedly attached to vehicle tailgate and may be rotated and secured to said U-frame member when said U-frame member is in one of said plurality of operative positions.
  - 21. The extension apparatus of Claim 14, further comprising: at least one detent to lock said plurality of hinge elements into a storage position.

- 22. The extension apparatus of Claim 15, further comprising: at least one stop to engage at least one hinge element to prevent removal of said U-frame from said tailgate.
- 23. A method for utilizing a tailgate extension apparatus comprising the steps of:

opening a vehicle tailgate into a substantially horizontal position;

extending a U-frame member from a storage position within said tailgate to a position outside of said tailgate; and

locking said U-frame member into an operative position by means of a plurality of side braces.

- 24. The method of Claim 23, further comprising said step of:
  rotating said extended U-frame member into said operative position via a plurality
  of hinge elements before said locking step.
- 25. The method of Claim 24, wherein said operative position is a step position in which at least part of said U-frame member is brought substantially below said opened tailgate.

- 26. The method of Claim 24, wherein said operative position is an extension position in which said U-frame member is brought substantially planar with said opened tailgate.
- 27. The method of Claim 26, further comprising said step of: attaching a cover plate to said U-frame member such that said cover plate is substantially in a same plane as an upper surface of said opened tailgate.
- 28. The method of Claim 24, wherein said operative position is a back stop position in which said U-frame member is brought substantially perpendicular to said opened tailgate and above said tailgate.
- 29. The method of Claim 28, further comprising the step of: attaching a cover plate to said U-frame member such that said cover plate is on an inside face of said vertical U-frame member.
- 30. The method of Claim 23, wherein said braces directly connect said U-frame member to said vehicle tailgate.

- 31. The method of Claim 30, wherein said braces are connected to said vehicle tailgate by means of conventional tailgate latches.
- 32. The method of Claim 23, further comprising said steps of:
  after said extending step, pulling said plurality of braces out of a storage location
  in a recess in said U-frame.